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(54) **Liver parenchymal cells having clonal growth ability, method for obtaining same, method for culturing same, and culturing system of primary hepatocytes**

(57) The present invention provides liver parenchymal cells having a clonal growth ability, which possesses at least one of the cell biological properties such as: presence of peroxysome; being positive to hepatocyte-markers; being partially positive to neoplastic hepatocyte-markers or immature hepatocyte-markers; being positive to antibodies against the surface antigens of oval cells; and being partially positive to bile duct cell-markers. The present invention also provides a method

for obtaining such cells and a method for subculturing such cells.

With the liver parenchymal cells above, it will be possible to research in detail the process of development and differentiation, the mechanisms of growth and functional expression of hepatic cells, and to open up a new way to clarification of mechanisms of hepatoma and various other diseases and to development of therapeutic method against these diseases.

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EUROPEAN SEARCH REPORT

Application Number
EP 95 30 2398

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (In C.L.6)
X	HAHM H. A. ET AL: "Primary culture of normal rat mammary epithelial cells within a basement membrane matrix. II. Functional differentiation under serum-free conditions" IN VITRO CELLULAR AND DEVELOPMENTAL BIOLOGY, vol. 26, 1990, pages 803-814, XP002040994 *page 805, first column, second paragraph* ---	9-12	C12N5/06 C12N5/02
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 September 1997	Examiner Fernandez y Branas, F
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>A : member of the same patent family, corresponding document</p>			

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Application Number
EP 95 30 2398

DOCUMENTS CONSIDERED TO BE RELEVANT			
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